WHAT IS CLAIMED IS:

1.   1.   A computer implemented method of activating a requested processing component

2   initiated by a calling component within a local computing system having one or more

3   applications, the method comprising:

4   determining the identity of the requested processing component, including an identity

5   of a class ID from a request to activate a component initiated by a calling component;

6   obtaining configuration data for the requested component, the configuration data

7   comprises an indication of public-private status for the requested component;

8   if the configuration data indicates that the requested component is a public

9   component, activating an instance of the requested component;

10   if the configuration data indicates that the requested component is a private

11   component, performing the following:

12   determining if the requested component is a member of an application that

13   also includes the calling component as a member; and

14   if the requested component and the calling component are members of the same application,

15   activating an instance of the requested component.

1   2.   The method according to claim 1, wherein the identity of the calling component

2   corresponds to an identity obtained from a central directory service.

1   3.   The method according to claim 2, wherein the central directory service communicates

2   with the local computer over a communications network.

1 4.   The method according to claim 1, wherein the calling component is located on a

2 remote computing system.

1 5.   The method according to claim 4, wherein the calling component transmits the

2 request to activate a component to the local computing system across a communications

3 network.

1 6.   The method according to claim 5, wherein the communications network is the

2 Internet.

1 7.   A computer implemented method of activating a requested processing component

2 initiated by a calling component within a local computing system having one or more

3 applications, the method comprising:

4   determining the identity of the requested processing component, including an identity

5 of a class ID and an identity of an application from a request to activate a component initiated

6 by a calling component;

7   obtaining configuration data for the requested component, the configuration data

8 comprises an indication of public-private status for the requested component;

9   if the configuration data indicates that the requested component is a public

10 component, activating an instance of the requested component;

11   if the configuration data indicates that the requested component is a private

12 component, performing the following:

13   determining if the requested component is a member of an application that

14 also includes the calling component as a member; and

15   if the requested component and the calling component are members of the same application,

16   activating an instance of the requested component;

17   wherein the identity of the calling component corresponds to an identity obtained

18   from a central directory service; and

19   the calling component is located on a remote computing system that transmits the

20   request to activate a component to the local computing system across a communications

21   network.

1   8.   A computer program data product readable by a computing system and encoding

2   instructions for activating a requested processing component initiated by a calling component

3   within a local computing system having one or more applications, the method comprising:

4   determining the identity of the requested processing component, including an identity

5   of a class ID and an identity of a partition from a request to activate a component initiated by

6   a calling component;

7   obtaining configuration data for the requested component, the configuration data

8   comprises an indication of public-private status for the requested component;

9   if the configuration data indicates that the requested component is a public

10   component, activating an instance of the requested component;

11   if the configuration data indicates that the requested component is a private

12   component, performing the following:

13   determining if the requested component is a member of an application that

14   also includes the calling component as a member; and

15   if the requested component and the calling component are members of the

16   same application, activating an instance of the requested component.

1   9.   The computer data product according to claim 8, wherein the identity of the calling

2   component corresponds to an identity obtained from a central directory service.

1   10.   The computer data product according to claim 9, wherein the central directory service

2   communicates with the local computer over a communications network.

1   11.   The computer data product according to claim 8, wherein the calling component is

2   located on a remote computing system.

1   12.   The computer data product according to claim 11, wherein the calling component

2   transmits the request to activate a component to the local computing system across a

3   communications network.

1   13.   The computer data product according to claim 12, wherein the communications

2   network is the Internet.

1   14.   The computer data product according to claim 8, wherein the computer data product

2   comprises a computer-readable medium having stored thereon a data structure a set of

3   computer instructions.

1   15.   The computer data product according to claim 8, wherein the computer data product

2   comprises a computer data signal embodied in a carrier wave readable by a computing

3   system and encoding a set of computer instructions.

1   16.   A computing system for activating a requested processing component initiated

2   by a calling component within a local computing system having one or more applications, the

3   computing system comprising:

4   an activation control module for receiving a request to activate a component initiated

5   by a calling component and activating an instance of the requested component;

6   an application identity module for determining the identity of one or more

7   applications used to identify the requested processing component; and

8   a permit object activation module for determining whether an instance of the

9   requested component may be activated, the permit object activation module uses the value of

10   the public/private property to determine whether the request component may be activated.

1   17.   The computing system according to claim 16, wherein the application identity module

2   obtains the identity of the calling component from a central directory service.

1   18.   The computing system according to claim 17, wherein the permit object activation

2   module determines if the requested component is a public component using component

3   configuration data.

1   19.   The computing system according to claim 17, wherein the permit object activation

2   module determines if the requested component is a public component using component

3   configuration data.

1   20.   The computing system according to claim 18, wherein an instance of the request

2   component is activated when the requested component is a public component.

1   21.   The computing system according to claim 19, wherein an instance of the requested

2   component is activated when the requested component is a private component only when the

3   calling component is a member of the same application in which the requested component is

4   a member.